OCT 07 2004

IFW/93B *2X24*

FEE TRANSMITTAL

Patent fees are subject to annual revision. .

Complete If Known	
Application Number	09/988,707
Filing Date	20 November 2001
First Named Inventor	IN-SOO KIM
Examiner Name	INGBERG, TODD D
Group/Art Unit	2124

TOTAL AMOUNT OF PAYMENT	($) 180.00	Attorney Docket No.	P56411

METHOD OF PAYMENT (check one)

1. ■ The Commissioner is hereby authorized to charge any deficiencies:

Deposit Account Number: __02-4943__

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ■ Payment Enclosed:
(CHECK #48178)

■ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity			
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	$
1002	350	2002	175	Design filing fee	$
1003	550	2003	275	Plant filing fee	$
1004	790	2004	395	Reissue filing fee	$
1005	160	2005	80	Provisional filing fee	$

SUBTOTAL (1)   ($) 0.00

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total claims	-20** = 0	x 18.00	= 0.00
Independent Claims	- 3** = 0	x 88.00	= 0.00
Multiple Dependent		=	

** or number previously paid, if greater; For Reissues, see below

Large Entity		Small Entity			
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description	
1201	88	2201	44	**Independent claims In excess of 3**	
1202	18	2202	9	**Claims In excess of 20**	
1203	300	2203	150	**Multiple dependent claim, if not paid**	
1204	88	2204	44	**** Reissue Independent claims over original patent**	
1205	18	2205	9	**** Reissue claims In excess of 20 and over original patent**	

SUBTOTAL (2)   ($) 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity			
Fee Code	Fee ($)	Fee Code	Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge-late filing fee or oath	$
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	$
1053	130	1053	130	Non-English specification	$
1812	2,520	1812	2,520	For fling a request for reexamination	$
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	$
1805	1,840 *	1805	1,840*	Requesting publication of SIR after Examiner action	$
1251	110	2251	55	Extension for reply within first month	$
1252	430	2252	215	Extension for reply within second month	$
1253	980	2253	490	Extension for reply within third month	$
1254	1530	2254	765	Extension for reply within fourth month	$
1255	2080	2255	1,040	Extension for reply within fifth month	$
1401	340	2401	170	Notice of Appeal	$
1402	340	2402	170	Filing a brief in support of an appeal	$
1403	300	2403	150	Request for oral hearing	$
1451	1,510	1451	1,510	Petition to institute a public use proceeding	$
1452	110	2452	55	Petition to revive - unavoidable	$
1453	1,370	2453	685	Petition to revive - unintentional	$
1501	1370	2501	685	Utility issue fee (or reissue)	$
1502	490	2502	245	Design issue fee	$
1503	660	2503	330	Plant issue fee	$
1460	130	1460	130	Petitions to the Commissioner	$
1807	50	1807	50	Processing fee for provisional applications	$
1806	180	1806	180	Submission of Information Disclosure Statement	$ 180.00
8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	$
1809	790	2809	395	Filing a submission after final rejection (37 C.F.R. §1.129(a))	$
1810	790	2810	395	For each additional invention to be examined (37 C.F.R. §1.129(b))	$
1801	790	2801	395	Request for Continued Examination (RCE)	$
				Other Fee (specify) _____	$
				Other Fee (specify) _____	$

** Reduced by Basic Filing Fee Paid

SUBTOTAL (3) $ 180.00

SUBMITTED BY

Typed or Printed Name	Robert E. Bushnell, Esq.

Complete (if applicable)

Reg. Number	27,774

Signature		Date	7 October 2004	Deposit Account User ID	

REB/ny

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

IN-SOO KIM, *et al.*

Serial No.:	09/988,707	Examiner:	INGBERG, TODD D
Filed:	20 November 2001	Art Unit:	2124

For: SYSTEM AND METHOD FOR UPGRADING DEVICE DRIVER

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Issue Fee
Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

FOREIGN PATENT REFERENCES:

- Japanese Patent Publication No. 2000-293366 to Yugawa, entitled *METHOD FOR UPDATING MODULE FOR SET TOP BOX*, published on 20 October 2000; and

- Japanese Patent Publication No. 2000-330779 to Yoshida, entitled *SYSTEM AND METHOD FOR REMOTELY UPDATING FIRMWARE PROGRAM*, published on 30 November 2000.

Folio: P56411
Date: 10/7/04
I.D.: REB/ny

-1-

OTHER DOCUMENT:

- *Japanese Office Action* from the Japanese Patent Office issued in Applicant's corresponding Japanese Patent Application No. 2001-212113 dated 3 August 2004 (English Abstract is not enclosed).
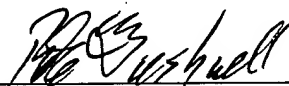
DISCUSSION

Yugawa JP'366, which was cited in the Japanese Office action issued by the Japanese Patent Office on the 3rd August 2004 in applicant's corresponding Japanese Patent application, discloses that when modules are arranged in a memory 11a of an STB(set top box), free areas 12a to 13c are secured between individual modules. By arranging update data 11b(+) of a module B in a free area 12b at the back of a module B (11b), it is made possible to update the modules with minimum data transfer while only a free area 12b(-) is changed without adding any other change to a memory configuration.

Yoshida JP'779, which was also cited, discloses that this firmware program remote updating system for performing download from a base station to a remote device to update a firmware program is provided with a nonvolatile memory 31 which stores the firmware program of a new version by updating the old part of a stored firmware program of an old version to the new part of the firmware program of a new version and has a save area 31A for saving the old part of the firmware program of the old version and fault processing parts 33 and 33A which rewrite the new part of the firmware program of the new version of the old part of the firmware of the old version in the save area and for performing start with the firmware of the old version when the start of the firmware program of the new version stored in the nonvolatile memory fails.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

A fee of $180.00 is incurred by this Statement under 37 CFR §§1.17(p) and 1.97(d)(2), accompanies this Statement. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.
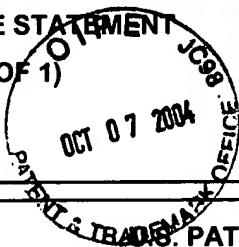
Respectfully submitted,

Robert E. Bushnell
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
Area Code: (202) 408-9040

Folio: P56411
Date: 7 October 2004
I.D.: REB/ny

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	JP 2000-293366	10/00	JAPAN			Abstract	
	JP 2000-330779	11/00	JAPAN			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Japanese Office Action from the Japanese Patent Office issued in Applicant's corresponding Japanese Patent Application No. 2001-212113 (dated 3 August 2004).

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

IN-SOO KIM, *et al.*

Serial No.: 09/988,707	Examiner:	INGBERG, TODD D
Filed: 20 November 2001	Art Unit:	2124

For: SYSTEM AND METHOD FOR UPGRADING DEVICE DRIVER

RESUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Mail Stop: Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites,

provides copies and discusses the following art references:

US Patent No.	Inventor	Date
• 5,580,177	Gase et al.	12/96
• 5,809,287	Stupek, Jr. et al.	9/98
• 6,023,585	Perlman et al.	2/2000

Foreign Patent No.	Inventor	Date
• KR1999-0061251	Lee	7/99
• JP8-161250	Nakagiri	6/96 *equivalent to EP0716371
• EP0716371 A2	Nakagiri	6/96 *equivalent to JP8-161250
• JP9-251355	Yoshioka	9/97
• JP10-91500	Tatsutaki	4/98
• JP10-171634	Yagi	6/98
• JP11-327828	Omura	11/99
• JP2000-10787	Kuro et al.	1/2000

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Gase et al.'177 discloses printer/client network with centrally updated printer drivers and printer status monitoring.

Stupek, Jr. et al.'287 discloses automatic computer upgrading.

Perlman et al.'585 discloses automatically selecting and downloading device drivers from a server system to a client system that includes one or more devices.

Lee'251 discloses network system and managing method for a version manager using an internet and a local disk.

Nakagiri'250 discloses information processing apparatus having automatic OS selecting function.

Nakagiri'371 discloses information processing apparatus having automatic OS selecting function.

Yoshioka'355 discloses a printer capable of carrying out the version-up of a printer program without any operation of a user.

Tatsutaki'500 discloses client/server system, differential file down loading method in client/server system and storage medium storing program for differential file down loading.

Yagi'634 discloses information processing terminal and program updating system.

Omura'828 discloses printing controller, driver managing method for the same and storage medium storing program which computer can read.

Kudo et al.'787 discloses program down-loading device and its method.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relative arts.

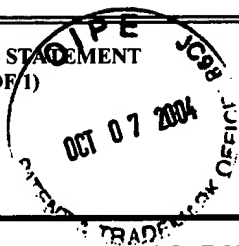No fees are incurred by this Resubmission of Information Disclosure Statement.

Respectfully submitted,

Robert E. Bushnell
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
Area Code: 202-408-9040

Folio: P56411
Date:7 October 2004
I.D.: REB/sb/ny

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INFORMATION DISCLOSURE STATEMENT PTO-1449 (PAGE 1 OF 1)		SERIAL NUMBER 09/988,707		DOCKET NO. P56411
		APPLICANT IN-SOO KIM et al.		
		FILING DATE 20 November 2001	GROUP	2124

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,580,177	12/96	Gase et al.			
	5,809,287	9/98	Stupek, Jr. et al.			
	6,023,585	2/2000	Perlman et al.			

FOREIGN PATENT DOCUMENTS						TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	KR1999-0061251	7/99	Republic of Korea			Abstract	
	JP8-161250	6/96	Japan			Abstract	
	EP0716371 A2	6/96	Europe				
	JP9-251355	9/97	Japan			Abstract	
	JP10-91500	4/98	Japan			Abstract	
	JP10-171634	6/98	Japan			Abstract	
	JP11-327828	11/99	Japan			Abstract	
	JP2000-10787	1/2000	Japan			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

English Abstract of Korean Patent Publication No. 1999-0061251

Title: *NETWORK SYSTEM FOR A VERSION MANAGER, USING INTERNET AND A LOCAL DISK*

Abstract:

The network system is capable of informing the users of the recent version of a computer fil or utility, using internet and a local disk.